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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/743,088	12/23/2003	Hiroaki Sakaguchi	247046US6	8105
22850	7590	06/14/2007	EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314				TURCHEN, JAMES R
ART UNIT		PAPER NUMBER		
		2139		
NOTIFICATION DATE			DELIVERY MODE	
06/14/2007			ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No.	Applicant(s)
	10/743,088	SAKAGUCHI, HIROAKI
	Examiner	Art Unit
	James Turchen	2139

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 21 March 2007.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1,4,6,7,11-15 and 18-20 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1,4,6,7,11-15 and 18-20 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 23 December 2003 is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|----------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>03/21/2007</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claims 1, 4, 6, 7, 11-15, and 18-20 are pending. Claims 1, 4, 6, 7, 11-15, and 18 are amended. Claims 19 and 20 are new. Claims 2, 3, 5, 8-10, 16, and 17 are canceled.

Response to Arguments

Applicant's arguments with respect to claims 1, 4, 6, 7, 11-15, and 18-20 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 112

Claims 7 and 11 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Claims 7 and 11 contain the subject matter "for creating a management table about locations of individual ones of said plurality of individual programs based on said decrypted first auxiliary data". The underlined portion is considered new matter as it is not found within the specification.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 4, 6, 7, 11 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Belu (2002/0033762) in view of Videcrantz et al (US 6,275,588, herein Videcrantz).

Regarding claim 1:

Belu discloses an information processing apparatus comprising compression means for combining and compressing a plurality of individual programs (“.exe” and “.dll” files) that are placed next to each other because they are determined to have the same “binary program” file type (paragraph 51, paragraphs 61-68). A binary file is defined by Encarta as a **“computer file in computer-readable format:** a computer file that contains data in a raw or nontext state made up of characters that only a computer can read. Executable programs are stored and transmitted in binary files, as are most numerical data files.” Machine language is defined by Encarta as **“computer instructions:** instructions, usually written in binary code, telling a computer how to process data.” Belu additionally discloses having a file header that contains auxiliary data such as the names, sizes, compressed sizes, etc. (paragraphs 40-42). Belu does not disclose the total amount of files in the compressed file. It would have been obvious to one of ordinary skill in the art at the time of invention to figure out how many files are contained in the archive by counting each file within the archive in order to display to the user the number of files to the user. Belu also does not disclose encrypting the compressed file. Videcrantz discloses having a compression means and encryption means for encrypting the compressed file (column 20 lines 45-63). It would have been obvious to one of ordinary skill in the art at the time of invention

to combine the compression and encryption system of Videcrantz with the compression system of Belu in order to secure the compressed file.

Regarding claim 4:

Belu and Videcrantz disclose the information processing apparatus according to claim 1, further comprising generation means for generating second auxiliary data indicating a size of said compressed program data (paragraphs 40-42, program 42, name, location and size of the files are included in the header). It is inherent that the compressed files and auxiliary data are stored either in RAM, a hard drive, or cache.

Regarding claims 6 and 19:

Claims 6 and 19 teach the method of the apparatus claims 1 and 4 and are hereby rejected under the same reasoning as claims 1 and 4.

Regarding claim 7:

Claim 7 teaches the apparatus for decrypting and decompressing the output file of claim 1. Decryption and decompression is the act of reversing the encryption and compression and would have been obvious to one of ordinary skill in the art at the time of invention in order to obtain the original program data. Belu discloses a file header portion that includes file header information for each file in the sorted file list (paragraph 42). Upon decryption, the file header portion would be readily available to be recreated including the list of file headers. It is inherent to store the output into RAM, a hard drive, or cache.

Regarding claim 11:

Claim 11 teaches the method of the apparatus claim 7 and is hereby rejected under the same reasoning as claim 7.

Claims 12-15, 18 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Belu, Videcrantz, and Grabon (US 5,943,421).

Regarding claims 12, 13 and 15:

Claims 12 and 13 are the combination of claims 1 and 7 with the exception of the claimed portion “execution means for receiving and executing said predetermined one of the plurality of combined individual programs.” Therefore, Belu and Videcrantz disclose the apparatus of claims 12 and 13, and claims 12 and 13 are rejected under the same reasoning as claims 1 and 7. Belu and Videcrantz do not disclose execution means for receiving and executing said predetermined one of the plurality of combined individual programs. Grabon discloses execution unit 204 retrieves the encrypted/compressed instructions/data (column 10 lines 26-30) and processing the selection after decompressing and/or decrypting the retrieved instructions/data (column 10 lines 40-50). It would have been obvious to one of ordinary skill at the time of invention to modify the apparatus of Belu and Videcrantz to allow it to retrieve and execute instructions/data (column 10 lines 12-50).

Regarding claim 14:

Belu, Videcrantz, and Grabon disclose the apparatus of claim 13, wherein the said execution means executes processing (Grabon, column 10 lines 12-50) of said predetermined one of the plurality of combined individual programs based on said management table stored in said memory means (Belu discloses a file header portion

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that includes file header information for each file in the sorted file list (paragraph 42).

Upon decryption, the file header portion would be readily available to be recreated including the list of file headers. It is inherent to store the output into RAM, a hard drive, or cache.)

Regarding claims 18 and 20:

Claims 18 and 20 are the method of apparatus claims 12 and 13 and are hereby rejected under the same reasoning as claims 12 and 13.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

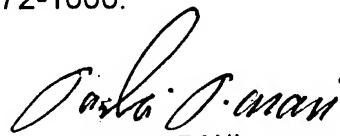
Any inquiry concerning this communication or earlier communications from the examiner should be directed to James Turchen whose telephone number is 571-270-1378. The examiner can normally be reached on MTWRF 7:30-5:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571)272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JRT


TAGHI ARANI
PRIMARY EXAMINER

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